

ABSTRACT

A centrifuge system for the formation of an autologous platelet gel wherein all of the blood components for the gel are derived from a patient to whom the gel is to be applied. First a platelet rich plasma and a platelet poor plasma are formed by centrifuging a quantity of anticoagulated whole blood that was previously drawn from the patient. The platelet rich plasma or platelet poor plasma is then automatically drawn out of the centrifuge bag and proportioned into separate chambers in a dispenser. The first portion is activated where a clot is formed and thrombin is obtained. The thrombin is then latter mixed with the second portion to obtain a platelet gel. Prior to the formation of the platelet gel genetic or medicinal agents may be added thus allowing the platelet gel to additionally serve as a delivery vehicle.